

PERTH AND KINROSS COUNTY COUNCIL

COUNTY HEALTH DEPARTMENT

REPORT

ON THE

SCHOOL HEALTH SERVICE

FOR THE YEAR ENDING 31st JULY, 1971



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INTRODUCTION.

This Report has been prepared in accordance with the recommendations contained in the Scottish Home and Health Department's Health and Welfare Circular No. 10/1969 and is similar in form to that of the previous session.

Routine examination was again carried out on entrants and on thirteen year old children ("leavers") and the records in respect of these children were sent to the Department for computer processing. The statistical tables provided by the Department are incorporated in the Report, with the exception of Table III. This table is designed to show the rates of defects by social class, but the sample under study in this area is too small for valid analysis by the statistical method. In addition to routine examination, children known to have defects were kept under continuous surveillance and cases referred on suspicion of defect were examined.

The pattern of defects found this year is very similar to that of previous years, and is common to the country as a whole. Dental caries is by far the commonest defect found, and is followed by visual defects and disease of tonsils and adenoids.

Infestation with the head louse is still prevalent, particularly in the larger City schools, but shows a slight decline from the figures of last year. Towards the end of the session, the number of minor ailment clinics held within the County Health Department was reduced from five to three per week, so that more nursing time could be devoted to cleanliness supervision within City schools. It is hoped that this redeployment of existing school nursing resources will help towards the elimination of louse infestation, but this problem calls for more intensive casework with the problem families who are known to be sources of reinfestation of the school population. The combined efforts of social workers and health visitors together with school nurses should be brought to bear on this community problem in an endeavour to bring it under better control.

Immunisation against German Measles for girls between their eleventh and fourteenth birthdays was introduced during the year and the offer of protection against this disease was welcomed by most parents for their daughters. 2347 girls were given this protection during the session.

The co-operation of Head Teachers, Teachers and General Practitioners is essential to the successful operation of the School Health Service, and it is a pleasure to acknowledge their contribution to its smooth running.

I would also thank members and officials of the County Council for their interest and support.

In general the statistics indicate that the health of the school population is being well maintained, and I would again record my thanks to the staff of this Department and of the Perth City Health Department for their work during the year.

A. S. CALDWELL,
Chief School Medical Officer.

County Health Department,
PERTH.
July, 1972.

1. LIST OF STAFF.

Chief School Medical Officer:

A. S. Caldwell, M.B., Ch.B., D.P.H.

Medical Officer - Perth City Schools:

John M. Aitken, M.B., Ch.B., D.P.H.

Assistant School Medical Officers:

George Reid M.B., Ch.B., D.P.H. (Depute County Medical Officer)

E. Jean S. Binnington, M.B., Ch.B.

Eileen R. Forrest, M.B., Ch.B., D.P.H.

Elizabeth T. Watson, M.B., Ch.B. (part time)

Mary R. Mackillop, M.B., Ch.B., D.P.H. (part time)

Chief Dental Officer:

M. R. Kirkland, L.D.S.

Senior Dental Officer:

W. J. Mackillop, L.D.S.

Assistant Dental Officers:

Mrs. M. S. Black, L.D.S.

Miss C. J. Brunton, L.D.S.

Mrs. E. Wallace, L.D.S.

J. Blair, L.D.S.

J. Angus, L.D.S.

Mrs. F. Kirkland, L.D.S. (part time)

Oral Hygiene Instructor:

Mrs. G. B. Lowe

School Nurses:

Mrs. R. Henderson

Mrs. E. M. Whyte (part time)

50 County District Nurses (part time)

Audiometrician:

Miss Sandra Macdonald

Clinical Assistant:

Mrs. Elizabeth Cameron

Dental Surgery Assistants:

Mrs. B. Ritchie

Mrs. P. Laing

Mrs. M. Smith

Mrs. E. Smith

Mrs. C. McKelvie

Mrs. P. Murray

Miss I. Bruce

Miss S. Spence

2. GENERAL STATISTICS.

Population of Area	..	..	..	..	..	..	..	..	..	..	..	..	..	..	131,278
Number of Schools:															
(a) Nursery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Nursery Classes in ordinary Schools	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
(b) Primary	..	..	..	..	..	..	..	..	..	..	..	..	..	..	107
(c) Six-year Secondary Schools	..	..	..	..	..	..	..	..	..	..	..	..	..	4 + 1 with primary dept.	
(d) Four-year Secondary Schools with primary departments	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
Four-year Secondary Schools without primary departments	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
(e) Three-year Secondary Schools with primary departments	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8
(f) (i) Special Schools	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
(ii) Special Classes	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
(iii) Junior Occupational Centres	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
(g) In receipt of grant from Education Authority and under medical inspection	..	..	..	..	..	..	..	..	..	..	..	..	..	..	-
Average Number of children on roll	..	..	..	..	..	..	..	..	..	..	..	..	..	..	21,323
Number in average attendance during the year	..	..	..	..	..	..	..	..	..	..	..	..	..	..	19,975

3. SANITARY CONDITIONS OF SCHOOLS.

The sanitary conditions in schools in Perth City were reviewed towards the end of the session. Perth City schools were last systematically reported on in 1965. These are as follows: Perth Academy, Perth High School, Goodlyburn Primary and Secondary Schools, Kinnoull, St. Ninian's Episcopal, St. John's R.C., Northern District, Tulloch Primary, St. Columba's R.C., Letham Primary, Our Lady's R.C., Viewlands Primary, Craigie Primary, Caledonian Road, Central District, Oakbank Primary, Friarton Nursery School and Cherrybank Junior Occupation Centre.

1. **General.** Since 1965, four new City schools, viz: Tulloch Primary, St. Columba's, Our Lady's R.C. and Oakbank Primary have been completed and occupied.

Extensive alterations, additions and improvements have been carried out at Northern District and St. John's R.C. Schools. A steady programme of maintenance and improvements has been carried out in the other schools.

The report below refers to conditions as at 31/7/71 and where an improvement scheme is already planned, this is indicated thus (S).

2. **Overcrowding.** The provision of new schools has eliminated overcrowding in City schools. Nevertheless, the accommodation in Central District School is so limited that suitable premises are not provided for medical, dental and nursing purposes, these functions being generally carried out in a cloakroom. At Craigie School medical examination is carried out in the staffroom, and the shared use causes mutual inconvenience.

3. **Condition of Buildings.** These are considered to be structurally sound and in good repair.

4. **Playgrounds and Playing Fields.** Playgrounds are generally satisfactory, though uneven and rough patches were reported at Northern District, St. Ninian's and Central District schools. Those schools which do not have playing fields make use of the North and South Inches.

5. **Shelter Sheds.** All existing shelter sheds are in good order. Where these are of inadequate capacity, pupils are allowed access to the school buildings in inclement weather.
6. **Water Supply.** This is very satisfactory.
7. **Washhand Basins.** At Goodlyburn Secondary School the number of washhand basins provided for boys falls short of the recommended number by three. At St. Ninian's two additional washhand basins for boys and two for girls are required to meet the recommended provision (S). At Northern District School the washhand basins provided for boys fall short of the recommended number by three (S). At Craigie School the number of washhand basins for boys is two short of the recommended provision.
8. **Toilets.** At the time of inspection the girls' W.C. accommodation at Perth High School was six below recommended provision, but this situation will shortly be remedied when the new school is completed at Oakbank (S). At St. Ninian's the outside boys' urinal has a rough uneven floor which is difficult to maintain in a clean condition. The glazed surface of the urinal slabs is broken in part and difficult to clean. At Viewlands Primary the number of W.Cs. provided for girls is five short of recommended standards. At Caledonian Road School sections of the glazed surface of the urinal in the boys' playground are badly chipped, making cleaning difficult.
9. **Ventilation and Lighting.** These are satisfactory in all schools.
10. **Heating.** All schools have satisfactory heating systems.
11. **Facilities for Drying Clothes.** This is adequate in all schools.
12. **Cloakrooms.** These are reasonably satisfactory in all schools.
13. **Cleansing.** All schools were in a satisfactory state of cleanliness at the time of inspection.
14. **Improvements throughout the County.** Position at 31/7/71:
- (1) Breadalbane Academy: Additional conveniences completed.
 - (2) Errol: Additional conveniences completed.
 - (3) New Perth High School completed at Oakbank.
 - (4) Brahan Technical School, Perth completed.
 - (5) St. John's R.C. School, Perth: new conveniences and improvements completed.
 - (6) Inverlony School Hostel, Callander completed.
 - (7) Collace - new conveniences completed.
 - (8) Burrelton: Replacement classroom in course of construction.
 - (9) Dunolly School Hostel, Aberfeldy: alterations and additions including conversion of a cottage to hostel accommodation in progress.
 - (10) Craigthuil Hostel, Aberfeldy: conversion of house to form additional hostel accommodation.
 - (11) Dunaluin Hostel, Aberfeldy: conversion of newly acquired property into hostel accommodation.
 - (12) Dunkeld: new dining room and kitchen in course of construction.
 - (13) Georgetown: general improvements including provision of new classroom, conveniences and meals facilities completed.
 - (14) Thornhill: additional classroom completed.

- (15) Callander Primary School: conversion of HORSAs classroom to meals centre in progress.
- (16) Perth High School (old building): general improvements in progress towards conversion to Perth Grammar School.
- (17) Goodlyburn Secondary School: four additional mobile classrooms provided and two laboratories in progress of conversion from existing play sheds.
- (18) Dunblane School: three additional mobile classrooms provided.
- (19) Auchterarder: conversion of HORSAs accommodation to classroom completed. Youth centre provided at former domestic science room.

4. ORGANISATION AND ADMINISTRATION.

Health and Welfare Services Circular No. 10/1969 dated 23rd April, 1969 recommended the adoption of a uniform system of statistical records for school health services and set out the form in which annual reports of Authorities on the service should be prepared.

In accordance with the recommendations, the groups of children examined systematically during the session were (1) entrants and (2) children born in 1957. Details of the results of these examinations are shown in the statistical tables, these having been provided by the Scottish Home and Health Department after analysis of the school medical cards by computer.

Computerisation of records should ultimately provide a rapid statistical analysis of examination findings, but the feed-back is still rather slow. Some of the tables provided, particularly those relating to rates of defects by social class, average heights and weights by social class and by the number in family are of very doubtful statistical value because of the small local samples analysed, but with the exception of Table III these are included as required by the Department.

In addition to routine systematic examinations of entrants and "leavers" selective examinations were carried out on children known or suspected to have defects.

Booster doses of oral poliomyelitis vaccine and diphtheria/tetanus prophylactic were given to school entrants. Smallpox re-vaccination was also offered to entrants. Children aged fourteen years were offered booster doses of poliomyelitis, tetanus and smallpox vaccines. Vaccination of girls aged 11 to 14 against Rubella (German measles) was introduced during the session and all girls in this age group were offered this protection.

Tuberculin testing and where indicated B.C.G. vaccination was carried out on children in the thirteen year age group. These immunisation procedures are National Health Service functions of the County and Town Councils as Local Health Authorities, but for convenience they are administered on a joint basis with Perth City within the framework of the School Health Service.

The following table shows the number of immunisation procedures carried out within the schools. In Perth City the majority of entrants had boosting doses of diphtheria/tetanus vaccine, poliomyelitis vaccine and smallpox vaccine at the Child Welfare Clinic or from the family doctor shortly before school entry, and these are not included in this table.

	Vaccine	County Schools	City Schools	Total
Entrants	Diphtheria/Tetanus	923	112	1,035
	Poliomyelitis	943	120	1,063
	Smallpox	884	12	896

	Vaccine	County Schools	City Schools	Total
Leavers	Tetanus	-	561	561
	Polionmyelitis	-	589	589
	Smallpox	569	459	1,028
Girls aged 11 to 14 years	Rubella	1,401	946	2,347

5. FINDINGS OF MEDICAL INSPECTION.

TABLE 1: The number of entrant boys examined was 991, of which 514 (51.87%) were found to have some defect. This compares favourably with the Scottish figure of 56.85% of boy entrants with some defect. The number of girl entrants examined was 926, of which 405 (43.74%) were found to have some defect. This compares favourably with the Scottish figure of 52.07% of girl entrants with some defect.

The number of leaver boys examined was 869, of which 419 (48.22%) were found to have some defect. This is above the Scottish figure of 45.46% with defects. The number of leaver girls examined was 766 of which 329 (42.95%) were found to have defect, compared with 45.29% in Scotland as a whole.

In general, therefore, the percentage of children examined found to have some defects in this County is below the Scottish average.

TABLE 1.

MEDICAL EXAMINATIONS.

	ENTRANTS				LEAVERS			
	No. of Examinations		Percentage with Defects		No. of Examinations		Percentage with Defects	
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
Perth and Kinross	991	926	51.87	43.74	869	766	48.22	42.95
Scotland	43,663	41,451	56.85	52.07	33,756	33,560	45.46	45.29

TABLE 11 gives details of the defects found in entrants and leavers. The pattern of defects found is very similar to that of previous years, the commonest defects being refractive errors, squints, unhealthy tonsils and adenoids, dental decay, speech disorders, enuresis, mild orthopaedic conditions, diseases of the skin and respiratory infections.

TABLE 11.

DEFECTS FOUND.

	Defect	ENTRANTS				LEAVERS			
		Boys		Girls		Boys		Girls	
		No.	%	No.	%	No.	%	No.	%
	Total number examined	991	100	926	100	869	100	766	100
01	Tuberculosis	-	-	-	-	1	0.16	2	0.26
03	Verruca	6	0.60	2	0.22	3	0.35	18	2.35
04	Epidermophytosis	-	-	-	-	4	0.46	2	0.26
05	Pediculosis	-	-	3	0.32	-	-	4	0.52
06	Scabies	1	0.10	5	0.54	2	0.23	-	-
07	Other Infections	3	0.30	9	0.97	-	-	3	0.39
08	Neoplasms	1	0.10	1	0.11	-	-	2	0.26
11	Diabetes	-	-	-	-	1	0.12	2	0.26
12	Underweight	5	0.51	13	1.40	3	0.34	1	0.13
13	Obesity	-	-	7	0.76	11	1.27	14	1.82
14	Other Endocrine or Metabolic Disorder	3	0.30	-	-	2	0.23	-	-
15	Haemophilia	-	-	-	-	2	0.23	-	-
16	Anaemia and other Blood Disorders	4	0.40	3	0.32	7	0.81	-	-
18	Speech Disorder	28	2.83	14	1.51	11	1.27	6	0.78
19	Enuresis	50	5.05	32	3.46	19	2.17	2	0.26
20	Behaviour Disorder	12	1.21	3	0.32	7	0.81	2	0.26
21	Borderline Mental Retardation	5	0.50	3	0.32	30	3.45	23	3.00
22	Mild Mental Retardation	-	-	-	-	10	1.15	1	0.13
23	Moderate Mental Retardation	-	-	-	-	2	0.23	-	-
25	Profound Mental Retardation	-	-	-	-	1	0.12	-	-
27	Epilepsy	1	0.10	2	0.21	3	0.35	2	0.26
28	Other Diseases of Nervous System	2	0.20	-	-	1	0.12	3	0.39
29	Inflammatory conditions of Eye	3	0.30	7	0.76	15	1.73	6	0.78
30	Refractive Error	101	10.19	96	10.37	119	13.70	137	17.86
31	Strabismus	39	3.94	36	3.89	6	0.70	6	0.78
32	Colour Blindness	-	-	-	-	91	10.47	23	3.00
37	Other Eye Conditions	2	0.20	2	0.22	2	0.23	-	-
38	Inflammatory Condition of Ear	4	0.40	3	0.32	4	0.46	1	0.13
39	Wax in Ear	-	-	2	0.22	-	-	4	0.52
40	Other Conditions affecting Ear	1	0.10	2	0.22	-	-	-	-
44	Deafness one Ear	-	-	-	-	2	0.23	-	-

TABLE 11 (Cont'd).

	Defect	ENTRANTS				LEAVERS			
		Boys		Girls		Boys		Girls	
		No.	%	No.	%	No.	%	No.	%
45	Impaired hearing one or both ears	6	0.61	6	0.65	5	0.58	6	0.79
47	Varicosities	-	-	-	-	4	0.46	1	0.13
49	Asthma	11	1.11	7	0.76	19	2.17	1	0.13
50	Disease of Tonsils	72	7.27	68	7.34	11	1.27	18	2.35
51	Hay Fever	-	-	2	0.22	3	0.35	-	-
52	Other Diseases of Respiratory System	71	7.16	31	3.35	16	1.84	12	1.57
53	Dental Caries	46	4.64	53	5.72	36	4.14	31	4.08
54	Other diseases of Mouth	2	0.20	2	0.22	12	1.38	3	0.39
56	Hernia	5	0.51	3	0.32	-	-	-	-
57	Kidney Disease	1	0.10	2	0.22	-	-	2	0.26
58	Diseases of Generative Organs	1	0.10	-	-	2	0.23	-	-
59	Infection of Skin	2	0.20	2	0.22	2	0.23	-	-
60	Eczema	18	1.82	17	1.84	9	1.04	3	0.39
61	Acne	-	-	-	-	6	0.70	11	1.44
62	Other Skin Diseases	6	0.61	5	0.54	11	1.27	9	1.18
63	Osteochondroses	1	0.10	-	-	3	0.35	-	-
64	Spinal Curvature	2	0.20	-	-	5	0.58	9	1.18
65	Pes Planus	19	1.98	8	0.86	13	1.58	15	1.96
66	Hallux Valgus	2	0.20	-	-	1	0.12	5	0.65
67	Other Minor Deformities	32	3.23	31	3.35	12	1.38	6	0.78
68	Other Orthopaedic Conditions	1	0.10	1	0.11	2	0.23	1	0.13
70	Congenital Hydrocephalus	-	-	-	-	1	0.12	-	-
73	Congenital anomalies of Ear, Face and Neck	-	-	-	-	-	-	2	0.26
74	Congenital Anomalies of Heart	1	0.10	3	0.32	1	0.12	-	-
75	Other congenital anomalies of circulatory system	-	-	1	0.11	-	-	-	-
77	Cleft Palate and Cleft Lip	3	0.30	1	0.11	-	-	1	0.13
78	Other congenital anomalies of upper alimentary tract	1	0.10	1	0.11	-	-	-	-
79	Other congenital anomalies of Digestive System	1	0.10	1	0.11	-	-	-	-
80	Congenital anomalies of Genital Organs	100	10.09	1	0.11	15	1.73	-	-

TABLE 11 (Cont'd).

	Defect	ENTRANTS				LEAVERS			
		Boys		Girls		Boys		Girls	
		No.	%	No.	%	No.	%	No.	%
81	Congenital anomalies of Urinary System	1	0.10	-	-	-	-	-	-
82	Congenital Club Foot	14	1.41	10	1.08	2	0.23	5	0.65
83	Other Congenital Anomalies of Limbs	12	1.21	6	0.65	1	0.12	5	0.65
84	Other congenital anomalies of musculo-skeletal system	4	0.40	3	0.32	5	0.58	-	-
		4	0.40	3	0.32	5	0.58	-	-
88	Ill-defined conditions Swollen Glands	3	0.30	-	-	-	-	1	0.13
89	Other ill-defined conditions	15	1.51	13	1.40	2	0.23	3	0.39
90	Injuries	-	-	1	0.11	2	0.23	3	0.39

TABLE 111. This table has been omitted from the report as it was last year. It is designed to show the rates of defects by social class, but in an area of this size where a total 3,552 entrant and leaver examinations were made, the number of defects found when divided according to the five social classes is so small as to be of no statistical value.

TABLE 1V. Heights and weights are objective measurements which allow valid direct comparison between the average for this area and for Scotland.

Perth and
Kinross

Scotland

Average height in inches:

Entrant Boys	43.29	43.22
Entrant Girls	43.10	42.93
Leaver Boys	60.40	61.08
Leaver Girls	61.09	61.26

These figures would indicate that the entrants in this area are marginally above the Scottish average in height, but that the leavers are slightly below the Scottish average.

Perth and
Kinross

Scotland

Average weight in lbs.:

Entrant Boys	43.24	43.13
Entrant Girls	42.16	42.11
Leaver Boys	97.51	97.19
Leaver Girls	106.14	103.10

Entrants and leavers of both sexes are above the Scottish averages for weight, the difference being substantial only in the case of leaver girls, who are 3 lbs. heavier than the national average.

TABLE V(2). These tables are intended to demonstrate variations in average heights and weights according to social class, the one table relating to Perth and Kinross, the other to Scotland as a whole.

TABLE V.
AVERAGE HEIGHTS AND WEIGHTS BY SOCIAL CLASS.

PERTH AND KINROSS

Social Class	ENTRANTS						LEAVERS					
	Boys			Girls			Boys			Girls		
	No.	Height (Ins.)	Weight (lbs.)	No.	Height (Ins.)	Weight (lbs.)	No.	Height (Ins.)	Weight (lbs.)	No.	Height (Ins.)	Weight (lbs.)
1	4	43.25	40.75	3	44.67	48.00	2	61.50	117.50	2	62.00	97.00
2	14	44.71	45.07	23	43.35	42.39	14	60.29	95.07	16	61.50	111.31
3	39	42.95	42.62	42	43.71	43.74	37	60.30	98.11	31	60.00	98.42
4	20	42.90	43.05	19	42.58	41.11	20	60.75	95.20	14	60.71	96.93
5	8	43.50	44.25	9	43.22	46.56	6	61.00	94.50	6	61.83	121.17
Other or not stated	12	42.75	42.67	8	44.13	44.00	4	60.75	96.25	4	60.75	97.00
Total	97	43.23	43.12	104	43.44	43.35	83	60.51	97.01	73	60.71	102.71

SCOTLAND

	ENTRANTS						LEAVERS					
	Boys			Girls			Boys			Girls		
	No.	Height (ins.)	Weight (lbs.)	No.	Height (ins.)	Weight (lbs.)	No.	Height (ins.)	Weight (lbs.)	No.	Height (ins.)	Weight (lbs.)
1	180	43.86	43.52	201	43.66	43.05	91	61.60	98.81	122	61.52	102.66
2	464	43.76	43.98	431	43.50	43.41	398	62.22	103.42	377	61.28	106.84
3	1957	43.27	43.15	1899	42.98	42.32	1462	60.67	96.60	1413	60.99	102.65
4	929	43.15	42.91	862	42.79	41.78	773	61.34	95.08	731	61.44	102.16
5	516	42.57	42.08	468	42.34	41.23	398	60.59	93.47	430	60.22	100.03
Other or not stated	280	42.77	42.51	279	42.92	41.87	217	60.43	97.76	226	60.50	102.17
Total	4326	43.21	43.03	4140	42.95	42.19	3339	61.01	96.82	3299	61.01	102.65

The Scottish figures clearly demonstrate that entrants and leavers belonging to Social classes I and II are taller and heavier than those belonging to social classes IV and V.

The figures for Perth and Kinross show no consistent differences between the social classes. Indeed entrant boys of social class I are at the bottom of the table and leaver girls of social class V are at the top of the table as regards weight. This unexpected finding is of no real significance as the samples are too small to be of statistical value.

TABLE VI(2) shows the average heights and weights of entrants and leavers by number in the family, the one table relating to Perth and Kinross, the other to Scotland as a whole.

TABLE VI.

AVERAGE HEIGHTS AND WEIGHTS BY NUMBER IN FAMILY.

PERTH AND KINROSS

No. in Family	ENTRANTS						LEAVERS					
	Boys			Girls			Boys			Girls		
	No.	Height (Ins.)	Weight (lbs.)	No.	Height (Ins.)	Weight (lbs.)	No.	Height (Ins.)	Weight (lbs.)	No.	Height (Ins.)	Weight (lbs.)
1	98	43.85	44.31	83	43.69	43.80	58	60.50	102.52	63	61.33	109.17
2	357	43.45	43.59	325	43.27	43.01	231	61.03	100.14	203	61.39	108.12
3	308	43.37	43.26	264	43.18	42.72	253	60.30	96.87	202	61.41	107.56
4	140	42.91	42.69	135	42.64	41.48	156	60.49	96.59	134	60.62	103.16
5	45	42.36	41.29	66	42.67	42.08	78	59.82	95.53	75	60.91	105.69
6	24	42.42	41.04	38	42.63	41.42	59	59.15	90.14	53	60.25	100.74
7	14	43.00	42.79	11	42.00	40.55	19	60.68	101.11	16	59.56	99.69
8	-	-	-	1	41.00	37.00	6	57.50	91.83	10	61.50	103.30
9	4	40.50	41.50	3	42.67	43.67	4	58.50	86.50	6	61.83	109.17
10	1	42.00	42.00	-	-	-	2	58.50	91.00	2	58.50	93.50
11	-	-	-	-	-	-	3	61.67	104.33	-	-	-
12	-	-	-	-	-	-	-	-	-	1	59.00	88.00
13	-	-	-	-	-	-	-	-	-	1	61.00	104.00

SCOTLAND.

No. in Family	ENTRANTS						LEAVERS					
	Boys			Girls			Boys			Girls		
	No.	Height (Ins.)	Weight (lbs.)	No.	Height (Ins.)	Weight (lbs.)	No.	Height (Ins.)	Weight (lbs.)	No.	Height (Ins.)	Weight (lbs.)
1	3249	43.62	43.97	3018	43.33	43.29	2245	61.36	103.31	2180	61.59	107.87
2	14861	43.53	43.69	13974	43.28	42.76	8036	61.55	100.66	8025	61.53	106.45
3	12367	43.26	43.10	11610	42.99	42.21	8305	61.13	97.67	8109	61.41	104.21
4	6596	42.97	42.71	6423	42.59	41.31	6165	61.04	95.88	6082	61.18	102.06
5	3247	42.66	42.10	3126	42.35	41.04	3746	60.59	94.15	3603	60.87	100.06
6	1646	42.55	41.99	1637	42.20	40.49	2364	60.53	93.31	2568	60.72	99.22
7	853	42.45	41.93	830	42.15	40.83	1330	60.28	92.28	1402	60.75	97.25
8	431	42.17	41.40	432	41.97	40.27	778	61.47	90.64	787	60.34	96.67
9	217	42.12	41.05	196	41.69	40.08	391	60.21	90.28	375	62.17	97.03
10	109	42.07	41.17	127	42.08	40.63	198	60.13	90.11	206	60.78	94.66
11	45	41.71	41.84	39	41.92	40.67	101	61.20	91.33	104	65.52	94.84
12	24	41.29	39.13	18	41.61	39.33	51	59.98	93.47	58	60.48	94.40
13	12	42.33	43.00	12	42.17	40.83	22	61.05	89.00	40	61.05	93.15
14	4	42.50	43.00	4	41.25	38.75	15	63.80	82.13	9	59.89	106.78
15	-	-	-	2	40.00	35.00	4	57.00	79.75	3	58.33	93.33
16	1	41.00	39.00	2	43.00	45.50	3	61.67	98.33	9	58.67	91.89
17	1	40.00	36.00	1	41.00	42.00	1	61.00	83.00	-	-	-
18	-	-	-	-	-	-	1	56.00	78.00	-	-	-

Both tables show in general that first and second children are on average taller and heavier than subsequent children, and that height and weight show a general downward trend as the number in the family increases. The number of County entrants who were sixth and above in the family are too small to draw valid statistical conclusions. The number of County leavers who were seventh in the family or more was too small for statistical significance. The Scottish figures demonstrate that the trend continues to the tenth child in the family when the sample becomes too small for study by the statistical method.

TABLE VII. This shows the number of substantially handicapped children of school age for Perth and Kinross, their main disabilities and educational placing. By far the commonest disability is mental deficiency, the vast majority of these cases being within the educable range.

Partial deafness, heart disease, epilepsy, cerebral palsy, asthma and orthopaedic deformities are the other main handicapping conditions found.

TABLE VII.
**NUMBER OF HANDICAPPED PUPILS OF SCHOOL AGE, BY MAIN
DISABILITY AND LOCATION.**

	Disability	At Ordinary School	At Special School/Class		In Hospital		Home Teaching	No educa- tion prov- ision made	Total
			Excluding Occupation Centre	Occupation Centre only	Other than Mental/M.D.	Mental M.D. only			
01	Deaf	-	5	-	-	-	-	-	5
02	Partially Hearing	20	9	-	-	-	-	1	30
03	Blind	-	1	-	-	-	2	1	4
04	Partially Sighted	2	3	-	-	-	-	2	7
05	Other Sensory	-	1	-	-	-	-	-	1
11	Mental Defect Educable	30	72	3	-	1	-	3	109
12	Mental Defect Trainable	1	3	21	-	4	-	9	38
13	Mental Defect Not Trainable	-	-	1	-	10	-	4	15
14	Mental Defect Undetermined	1	1	3	-	2	-	17	24
16	Maladjustment	2	2	-	-	1	-	-	5
17	Brain Damage Cerebral Palsy	10	3	-	-	4	-	13	30
18	Other Brain Damage	3	-	-	-	-	-	-	3
19	Epilepsy	34	3	-	-	-	-	2	39
20	Spina Bifida Hydrocephalus	7	2	-	-	-	-	5	14
22	Other Neuro Psy. Defect	1	-	2	-	1	-	3	7
31	Absence of upper limb(s)	2	-	-	-	-	-	-	2
32	Absence of lower limb(s)	1	-	-	-	-	-	-	1
33	Deformity of upper limb(s)	1	-	-	-	-	-	-	1
34	Deformity of lower limb(s)	4	-	-	-	-	-	1	5

TABLE VII (cont'd).

	Disability	At ordinary school	At Special School/Class		In Hospital		Home Teaching	No educa- tion prov- ision made	Total
			Excluding Occupation Centre	Occupation Centre only	Other than Mental/M.D.	Mental M.D. Only			
35	Defect of Spine	-	-	-	-	-	-	1	1
36	Paralysis	2	1	-	-	-	-	1	4
37	Other Orthopaedic defects	16	-	-	-	-	-	1	17
41	Heart Disease	21	-	-	1	-	1	4	27
42	Diabetes	12	-	-	-	-	-	1	13
43	Other metabolic diseases	5	-	-	-	1	-	1	7
44	Cleft Palate	2	-	-	-	-	-	2	4
45	Asthma	41	-	-	-	-	-	5	46
46	Skin Conditions	15	-	-	-	-	-	1	16
48	Others	20	-	-	1	-	-	10	31

TABLE VIII: This table shows the incidence of visual defect amongst the pupils routinely (a) shortly after school entry; (b) at approximately 7-8 years; (c) at approximately 9-10 years; (d) at school leaving age.

Of the 3,397 boys tested, 376 (11.07%) had defective vision, of which 307 (9.04%) had vision 6/9 6/12 in the better eye and 69 (2.03%) had vision 6/18 or less in the better eye.

Of the 3,193 girls tested 578 (11.84%) had defective vision of which 335 (10.49%) had vision 6/9 6/12 in the better eye and 43 (1.35%) had vision 6/18 or less in the better eye.

Colour Blindness. 91 boy leavers (10.47%) and 23 girl leavers (3%) had defects of colour perception on Ishihara Test (Table II).

TABLE VIII.
VISUAL ACUITY.

Year of Birth	Number Examined		Normal		Vision 6/9 - 6/12 in better eye		Vision 6/18 or less in better eye	
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
Entrants	1,030	949	901	828	121	112	8	9
7 - 8 Years	911	928	816	833	88	81	7	14
9 - 10 Years	590	550	541	494	41	50	8	6
Leavers	866	766	763	660	57	92	46	14
Total	3,397	3,193	3,021	2,815	307	335	69	43

TABLE IX: This table shows the results of audiometry sweep tests which were carried out routinely (a) as soon as possible after school entry; (b) before transfer to secondary school at approximately 9-10 years; (c) at 13-14 years. Children found to have hearing defects on sweep test were referred to the School Medical Officer who referred through the general practitioner to the E.N.T. Specialist where appropriate.

The Audiometrician retested children found to have defects

Sweep tests of entrants were conducted at 20 decibels and of other groups at 15 decibels, and only children failing at one or more of the three frequencies, 1,000, 2,000 and 4,000 cycles per second were recorded as failing.

Of the 1,053 entrant boys tested, only two failed in both ears. 4 failed in one ear. Of the 943 entrant girls tested, 4 failed in both ears and 11 in one ear.

Of the 103 children retested having failed in previous years on entrant sweep testing, 7 failed the retest in both ears and 10 failed in one ear.

Of the 890 boys examined at 9-10 years of age, 9 failed in both ears and 12 in one ear. Of the 864 girls examined, at 9-10 years of age, 3 failed in both ears and 3 in one ear.

Of the retests of 63 children who had failed the intermediate test in previous years, none failed the retest.

Of the 766 leaver boys tested, 3 failed in both ears and 4 in one ear only. Of the 697 leaver girls tested, 8 failed in both ears and 4 in one ear.

Where children were specially referred because of a suspicion of defective hearing, the yield was very much higher. Of 113 boys so referred, 35 (31%) failed in both ears and 28 (24.8%) failed in one ear, giving a defect rate of 55.7%. Of 119 girls specially referred, 41 (34.4%) failed in both ears and 37 (31%) failed in one ear, giving a defect rate of 65.4%.

Of the 5,613 pupils of all ages undergoing sweep test, 110 (1.9%) failed in both ears and 106 (1.8%) failed in one ear.

Of 166 pupils retested following previous failure, 7 (4.2%) failed in both ears and 10 (6%) failed in one ear. The recovery rate from hearing defect is therefore very high.

TABLE IX
AUDIOMETRY SWEEP TESTS.

Test Group	Number Examined		Number Passing		Number failing both ears		Number failing one ear	
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
FIRST	1,053	943	1,047	928	2	4	4	11
Retests from previous years	64	39	57	6	3	4	4	6
INTERMEDIATE	890	864	869	841	9	3	12	3
Retests from previous years	33	30	13	30	-	-	-	-
FINAL	766	696	759	684	3	8	4	4
OTHER GROUPS	86	83	84	77	-	5	2	1
SPECIAL								
REFERRALS	113	119	50	41	35	41	28	37
TOTAL SWEEPS	2,908	2,705	2,809	2,588	49	61	50	56
Total Retests	97	69	90	59	3	4	4	6

TABLE X. This indicates the sources of referral for special medical examination. Of the 244 pupils referred by teachers for special examination on suspicion of defect, 190 (78%) were found to have defects. Of the 6 cases referred by parents, 4 (67%) were found to have a defect and of the 22 cases referred by School Nurses, 17 (77%) were found to have a defect.

This high yield of defects amongst pupils specially referred is to be expected.

In addition, 758 children in employment were examined.

TABLE X
SPECIAL EXAMINATIONS.

	Number Examined		Number with Defects	
	Boys	Girls	Boys	Girls
Selected by Medical Officer	274	236	117	123
Referred by:				
Teacher	121	123	84	106
Educational Psychologist	1	3	1	1
School Nurse	8	14	7	10
Social Work Agencies	-	-	-	-
Parent	4	2	4	-
Family Doctor	1	1	-	1
Other Sources	27	22	21	21
Re-examinations	1,162	1,084	810	747
Totals	1,598	1,485	1,044	1,009

TABLE XI. This shows the number of doctors, nurses and audiometricians employed in the School Health Service. Six doctors are employed part-time on school health, the total whole-time equivalent being estimated at 3.3 doctors.

In Perth City two nurses are employed on school health, one of whom is employed part-time during school terms and the other full-time, giving a whole-time equivalent of 1.7 nurses. In the County fifty triple duties district nurses act as school health visitor/nurses, the whole-time equivalent being estimated as two nurses.

One audiometrician is employed in both City and County Schools.

TABLE XI
STAFF STATISTICS.

Category of Staff	Establishment agreed by Council	Number in post at end of School year				Number of Vacancies at end of School year
		Whole- time	Part- time	Whole-time equivalent of Part-time	Total Whole- time equiv- alent	
Medical Officers	6 part-time	-	6	3.3	3.3	None
Triple Duty District Nurses acting part-time School Nurses	50	-	46	2.0	2.0	4 triple duty dis- trict nurses
Nurses (R.G.N., S.R.N., etc.)	2	1	1	0.77	1.77	None
Nurses (S.E.N.)	-	-	-	-	-	None
Physiotherapists	-	-	-	-	-	None
Orthoptists	-	-	-	-	-	None
Audiometricians	1	1	-	-	1.0	None
Others	-	-	-	-	-	-

7. DENTAL INSPECTION AND TREATMENT.

Mr. M. R. Kirkland, Chief Dental Officer, has prepared the following report.

During the past few years, a number of expedients have been suggested for the expansion and improvement of the dental service and there are hopeful signs that progress may be made in the coming year or two. During the year under review, however, services have been provided on the same scale as previously, though attention is drawn to a new heading in the Summary of Treatment, i.e., Preventive Treatment, involving the application of a topical fluoride solution. It is clear that for those engaged in a community dental service, prevention, or at least limitation, of the incidence of dental decay is of the greatest importance. As time passes, new techniques and materials are coming to the fore, and it is essential that we keep abreast of these advances, bringing them into effective use as and when they are proven and practicable. It is likely that the greater use of these methods in the future will involve expansion of the ancillary staff, for example by the employment of hygienists to carry out much of the preventive work, which is so pre-eminently the responsibility of the Local Authority Dental Service, leaving the qualified dental officers to cope with the treatment of dental disease which, in time, could be expected to be kept within their capacity.

Specialist treatment has been readily available and much appreciated by the patients and their parents; in this connection it is appropriate to express appreciation of the excellent services provided by the Regional Orthodontic Consultant, Mr. D. Munro, and the Consultant Oral Surgeon, Dr. D. A. S. Martin.

The two mobile dental units have been kept in constant use, and it is expected that the overdue replacement of the older of these vehicles will be achieved during the coming year. The value of these vehicles in an area of scattered communities such as this, is very great, and their increasing use may have to be considered in the light of continuing difficulties of accommodation in many of the small and medium sized schools. The background to this suggestion is the situation whereby in schools up to a certain size, say four or five teachers, suitable accommodation for medical/dental work is either non-existent or has to be shared with an increasing number of other people. This presents the greatest difficulty in respect of dental treatment, where the accommodation will be continuously occupied by the dental officer and all his paraphernalia, for periods of four or five weeks at a time. Where the accommodation is reserved purely for medical/dental use, this is no problem, but where others wish to use the accommodation, difficulties are bound to arise. It may be, therefore, that future policy ought to provide that all schools without non-shared medical/dental accommodation will require to be served, as far as dental treatment is concerned, by mobile units.

The continuing programme of dental health education for all primary school children has been maintained and once more the dental pack scheme for new school entrants has been operated, though attention must be drawn to the fact that despite urgent protests both inside and outside parliament, it has been considered appropriate to impose purchase tax on these dental packs, to such an extent as to double their cost to the authority.

The persistent efforts to teach and encourage children to develop good dental habits and to take care of their teeth, are still being undermined at many schools by the selling, no doubt for the best of motives, of sweet, sticky between-meal snacks; by permitting the sale of this sort of stuff, the authority is giving its implied blessing to the obnoxious habit. Over the years in this report, repeated pleas have been made to limit these sales to materials which are less destructive to the teeth, but the pleas have been, regrettably, almost totally ignored.

The school dental service relies to a very great extent upon the co-operation and assistance of many people in the medical, educational and other fields, and to them all, I wish to express my sincere appreciation; in particular I am grateful for the understanding and support of the County Medical Officer.

SCHOOL DENTAL SERVICE.

1970 - 1971.

Summary of Treatment:

Attendances for treatment (not including orthodontic)	..	..	..	..	14,402
Fillings (a) Permanent Teeth	..	..	..	..	11,913
(b) Temporary Teeth	..	..	..	..	2,935
Extractions (a) Permanent Teeth	..	..	..	..	1,171
(b) Temporary Teeth	..	..	..	..	3,054
General Anaesthetics	..	..	..	..	589
Preventive Treatment (application of topical fluoride)	..	..	..	..	2,682
Periodontal Treatment (no. of patients)	..	..	..	..	784
Other operations (dressing, etc.)	..	..	..	..	4,487
Dentures Fitted	..	..	..	..	46
X-rays	..	..	..	..	114

Orthodontic Treatment:

Cases continued from previous year	..	..	..	..	263
New cases (including transfers in)	..	..	..	..	173
Cases completed	..	..	..	..	124
Cases discontinued (including transfers out)	..	..	..	..	15
Cases continuing at end of year	..	..	..	..	297
Appliances fitted	..	..	..	..	125
Repairs to appliances	..	..	..	..	21
Extractions for orthodontic purposes	..	..	..	..	283
Attendances for orthodontic treatment	..	..	..	..	1,698

Allocation of Time:

Sessions devoted to Inspection	..	..	..	..	..	186
Sessions devoted to treatment	..	..	..	..	..	3,015
Sessions devoted to administration	..	..	..	..	..	223
Sessions devoted to Dental Health Education	a) by dental officers	..	..	..	..	13
	b) by oral hygiene instructor	..	..	..	..	384
Sessions lost due to illness of dental officers	..	..	..	..	..	52

SUMMARY OF INSPECTION.

Age	No. Inspected	No. with Dental Defects	No. Referred for Treatment	No. Accepting Treatment	No. made Dentally Fit
5	1,008	691	No longer recorded in age groups	335	300
6	1,100	768		393	370
7	1,004	756		396	360
8	1,108	800		396	372
9	880	662		328	314
10	863	633		349	344
11	779	574		294	268
12	988	637		277	263
13	920	555		240	217
14	803	483		204	179
15	544	315		128	107
16	338	198		38	31
17 + over	198	88		24	16
TOTAL	10,533	7,160	6,010	3,402	3,141

8. OTHER ACTIVITIES IN RELATION TO THE HEALTH OF SCHOOL CHILDREN.

Child Guidance: (Extract from Principal Psychologist's Report).

During the year the Educational Psychologists examined 453 children, 327 from the County and 126 from Perth City. Of the children examined, 330 were boys and 123 girls.

Sources of Referral: These were as shown in Table 1.

Table 1.

Continued	156	Speech Therapist	5
Head Teachers	163	Juvenile Liaison Officers	1
School Medical Officers	19	Social Workers	12
Moray House Picture Test	43	Hospitals and G.P.'s	26
Parents	21	Psychiatrists	3
Director of Education	4		

Age Range:

Table 2.

Age in Years		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17+
Number of Cases	BOYS	-	4	21	30	68	42	41	37	21	19	23	12	7	1	4
	GIRLS	-	2	4	10	28	14	12	18	3	3	5	8	9	4	3
	TOTAL	-	6	25	40	96	56	53	55	24	22	28	20	16	5	7

The peak age for referral is seven, due mainly to the county wide screening test given just prior to this stage.

Distribution of Intelligence:

Table 3.

I.Q.		-69	70/79	80/89	90/99	100/109	110/119	120/129	130/139	140+	Not tested	Not M.H.	Not testable
Number of Cases	Boys	25	28	55	70	49	42	17	13	1	9	20	1
	Girls	13	16	15	27	12	9	2	3	2	9	14	1
	Total	38	44	70	97	61	51	19	16	3	18	34	2

Since one of the functions of the Child Guidance Staff is to advise on children who need special educational provision, this table is weighted at the bottom end.

Table 4a
Interviews

	Child Attendances	Parent Attendances		Home Visits	School Visits
		M.	F.		
Perth	766	119	28	30	43
Letham	147	14	-	7	139
Blairgowrie	407	30	-	12	306
Crieff	42	7	-	3	45
Milnathort	471	7	-	24	132
Auchterarder and Dunblane	396	13	-	18	103
Pitlochry	202	5	-	13	197
County Area	203	3	-	41	201
Total	2,634	198	28	148	1,166

Table 4b
Treatment

	INVESTIGATION			Psychological Treatment	EDUCATIONAL	
	Psychometric	Educational	Psychological		Play	Sessions
Perth	150	53	87	469	243	69
Letham	13	2	3	74	92	98
Blairgowrie	74	24	6	236	242	270
Crieff	9	1	1	22	17	20
Milnathort	32	12	189	120	-	280
Auchterarder and Dunblane	25	12	118	94	14	185
Pitlochry	10	1	1	134	175	174
County Area	150	72	62	20	38	4
	463	177	467	1,169	821	1,100

Compared with previous years, there has been a decided increase in the number of psychometric and psychological investigations carried out and in the number of sessions at which psychological treatment is given. This reflects the changed bias of the work as a result of improved Child Psychiatric services and Social Work Departments in the area.

Table 5.

Problems Treated									
Educational Retardation	..	..	..	158	School Refusal	..	..	..	13
Enuresis	..	..	..	38	Truancy/Wandering	..	..	..	8
Encopresis	..	..	..	10	Temper Tantrums	..	..	..	26
Other Physical Symptoms	..	..	..	3	Anti-social Behaviour	..	..	..	20
Restless - lack of concentration	..	..	..	13	Sex Offences	..	..	..	2
Nervousness	..	..	..	24	Theft	..	..	..	30
Speech Defects	..	..	..	12					

Of the 158 children seen because of educational retardation, 54 had difficulties in visual motor perception and 5 showed up as having weakness in a test of language development. 6 had been subject to frequent changes of school and 6 came from grossly unstimulating homes.

State of Cases:

Table 6.

Number of Cases:			Discharged	Continued	Waiting Attention 54+ Moray House List
Boys	Girls	Total			
330	123	453	248	205	

Cases Discharged:

Table 7.

Satisfactory and Improved	..	..	67	Diagnosis and Advice	..	..	..	105
Unsatisfactory	..	..	1	Mentally Handicapped	..	..	..	45
Lack of Co-operation	..	..	3	Transferred	..	..	..	27

Of the 27 children discharged as transferred, 6 were referred to the psychiatrist, 8 left school, 10 left the district, 1 was sent to an approved school, 1 went to a residential school and 1 child died in the course of the year.

Child Guidance Class:

10 children were enrolled in the class this session, but 8 others attended from time to time, either because they were school refusal cases who could not bring themselves to attend their own schools or because they were on holiday from a residential school.

The class attended the Swimming Bath and Bell's Sports Centre weekly.

Medical Help:

Dr. G. Reid, Depute County Medical Officer, attended all case conferences and is available for medical advice. Referral is made through general practitioners to consultant psychiatrists and paediatricians when required. Nineteen of the children seen this year have been assessed by a psychiatrist and twenty-three were referred for such assessment in the course of the year.

Speech Therapy. (Extract from Report by Speech Therapist).

The Perth Clinic was again operated on a part-time basis this session owing to staff shortages. The staff remained as at the end of last session, three part-time therapists, one of whom was deployed in the Dunblane area. In certain County areas there are no satisfactory clinic premises available, and it is impossible to provide an effective service in these areas. No service is available in some outlying County areas, e.g., Aberfeldy, Pitlochry, Dunkeld and Longforgan, but a few children from these areas attend the Perth Centre, but not on a regular basis.

Number of Children under Treatment:

Table 1.

Current in session	..	..	..	115	Discharged in session	..	..	..	74
Carried forward to 1971-72 session	..			41	Waiting List for City	..	..	..	20

Category of Defects Treated:

Table 2.

Stammering	..	..	..	10	Hearing Defect	..	..	..	5
Defective Articulation	..	..	..	60	Dysarthria	..	..	..	2
Retarded Speech Development	..	..	..	36	Cleft Palate	..	..	..	2
				Total 115					

Table 3.

Reasons for Discharge:

Speech now normal	..	..	..	45	Left Area or School	..	..	..	5
Maximum Improvement Achieved	..	..	..	15	Failed to Co-operate	..	..	..	9
				Total 74					

MINOR AILMENTS CLINICS:

Towards the end of the session, in April, 1971, the number of clinic sessions held within the County Health Department was reduced by two nurse sessions and one doctor session weekly, so that more time would be available for health and cleanliness supervision within the schools. A nurse was on duty in the clinic three afternoons per week during school terms and one doctor session was held each week.

The conditions treated in the clinic were as follows:

				Cases	Attendances
Minor Injuries	..	..	..	164	585
Scabies	..	..	..	67	223
Impetigo	..	..	..	15	25
Pediculosis Capitis	..	..	..	204	381
Ear Infections	..	..	..	22	67
Eye Conditions	..	..	..	28	157
Others	..	..	..	229	1,077
Total				729	2,515

The doctor sessions were provided for pupils suspected by the school nurses of having some defect including visual defects on routine screening by "E" test or Snellen's Types.

Milk in Schools:

During the session 11,766 pupils took school milk. The source of supply is approved by the Medical Officer of Health, the milk being either Standard, Premium or Pasteurised. Where possible pasteurised milk is provided.

School Meals:

School meals are served in 132 schools. The 59 kitchens provided 2,245,465 meals during the session.

School Camps:

During the summer 1971, 221 children from Perth City were accommodated for a fortnight at Belmont Camp, Meikle.

Nursery Schools:

There is only one Nursery School in Perth and Kinross, namely Friarton Nursery School, Perth. In addition a nursery class is held in Florence Place Nursery, Perth, administered by Northern District School. Each child is medically examined at one of the Child Welfare Clinics in Perth prior to admission to the School and annual medical inspection is carried out thereafter at school.

Children found to have defects are referred to the family doctor or through him to the appropriate consultant. Frequent medical and nursing supervisory visits are paid to the school.

Personal Hygiene:

Only 7 cases of head louse infestation were recorded on routine medical inspection. This may be accounted for partly by parents who are forewarned of medical inspections presenting their children for inspection in a clean condition. Medical Officers, however, do not carry out a meticulous search for lice and nits at routine medical inspections, this aspect of hygiene being delegated to the school nurses who, by their frequent unheralded visits are in a much better position to assess the true incidence of infestation.

The small number of cases of infestation by the head louse discovered at routine medical inspection is an indication of the effectiveness of routine surveillance by the nurses.

The nurses' cleanliness inspections revealed that in 19,006 examinations of Perth City School children, 110 children were found to have verminous heads on one or more occasions, compared with 81 children in session 1969-70 and 121 in session 1968-69. In addition 328 children were found to have nits on one or more occasions, compared with 402 in session 1969-70.

In 36,250 examinations of County children, 23 were found to have verminous heads on one or more occasions compared with 15 children in session 1969-70 and 24 children in session 1968-69. In addition 120 County children were found to have nits compared with 145 in session 1969-70.

The number of cleanliness inspections of school children by nurses was increased in this session in both City and County, and it is encouraging to note that the number of cases of head louse infestation discovered in both City and County was lower than in the previous session. The incidence is however, still high, particularly in Perth City Schools, where the number of cases found was more than three times that in the much larger population of County schools.

16 formal notices were issued to parents requiring them to cleanse a total of 24 children.

3 second notices were issued to parents requiring them to cleanse a total of 5 children.

Health Education:

Routine group instruction of healthy ways of living is not given in schools in this area directly by medical and nursing personnel, but the advice of these officers is available to primary school teachers and to teachers of biology, domestic science, physical education, etc. who play the major, though no doubt inadequate role in Health Education at the present time. The medical and nursing give individual advice in the patient/doctor or patient/nurse relationship. It is doubtful if a sustained Health Education programme could be undertaken in schools without the appointment of specialist teachers with the knowledge and aptitude to put the subject across to the children. The doctor or nurse may not be a good teacher and qualified teachers may regard health education as unworthy of substantial time in a crowded curriculum. While the good parent can instil good habits in children, there can be no doubt as to the need for this subject to be taught in schools and that the existing arrangements fall far short of requirements. The appointment of a supervisor of Health Education in schools either on the staff of the Director of Education or of the Health Department is under consideration.

Group instruction in oral hygiene is undertaken in primary schools by a suitable person appointed for the purpose with experience in dental chairside assistance.

Research:

No research projects on the health of school children were instituted by this Department during the year, though members of the medical staff participated in research undertaken in the area of the Eastern Regional Hospital Board into the incidence of Viral Hepatitis which mainly affects the child population.

Specialist Services:

Eye, E.N.T. and Children's Orthopaedic clinics organised by the hospital service were held in Perth Royal Infirmary and in various peripheral Cottage Hospitals, Schools and District Nurse Clinics. Referrals are made to these clinics as required, but the number of attendances following referral by School Medical Officers is not known.

TUBERCULIN TESTING AND B.C.G. VACCINATION - SESSION 1970-71.

	Consents	Boys		Girls		Boys and Girls			
		No. Tested	% Positive	No. Tested	% Positive	No. Tested	% Positive	No. Vac.	Retests
PERTH CITY									
Perth Academy ..	100	84	4	76	1	160	3	81	-
Perth High ..	96	116	3	110	2	226	2	113	-
St. Columbas ..	100	36	3	26	-	62	2	35	-
Goodlyburn ..	96	49	-	56	-	105	-	49	-
Total	97	285	2	268	1	553	2	278	-
PERTH DISTRICT									
Dunbarney ..	88	9	-	8	13	17	6	17	11
Errol ..	100	10	-	11	-	21	-	21	14
Invergowrie ..	95	9	22	5	20	14	21	14	8
Methven ..	89	14	14	9	-	23	9	21	16
Scone ..	93	17	-	16	-	33	-	31	22
Strathallan* ..	93	33	18	-	-	33	18	33	46
Trinity College* ..	97	34	9	-	-	34	9	31	41
Kilgraston* ..	94	-	-	26	4	26	4	25	18
Glebe ..	99	12	-	3	-	15	-	15	4
Stanley ..	100	19	5	15	7	34	6	32	25
Total	95	90	5	67	4	157	5	151	60
EASTERN DISTRICT									
Blairgowrie High ..	95	54	6	77	3	131	4	126	108
Hill Primary ..	100	-	-	2	-	2	-	2	2
Coupar Angus ..	95	21	-	17	-	38	-	38	4
Alyth ..	86	19	-	17	-	36	-	34	13
Total	93	94	3	113	2	207	2	200	127
HIGHLAND DISTRICT									
Breadalbane Academy	83	27	11	33	9	60	10	58	66
Croftinloan* ..	100	3	33	-	-	3	33	3	5
Pitlochry ..	98	25	4	17	6	42	5	39	35
Rannoch* ..	96	59	10	-	-	59	10	53	21
Total	94	52	7	50	8	102	8	97	101
CENTRAL DISTRICT									
Crieff ..	93	36	6	34	5	70	10	58	57
Morrison's Academy	98	46	11	55	4	101	9	87	66
Auchterarder ..	95	24	8	24	6	48	17	47	54
Total	96	106	8	113	13	219	11	192	177
WESTERN DISTRICT									
Dunblane ..	97	30	10	28	4	58	7	55	26
McLaren High ..	98	46	9	56	7	102	8	88	124
Aberfoyle ..	100	12	8	5	-	17	6	15	12
St. Ninians* ..	93	9	33	-	-	9	33	6	-
Queen Victoria ..	100	34	15	-	-	34	15	29	34
Total	98	88	9	89	6	177	7	158	162
KINROSS									
Kinross ..	95	25	8	40	3	65	4	60	33
Lendrick Muir * ..	100	7	14	1	-	8	13	8	12
Total	95	25	8	40	3	65	4	60	33
COUNTY TOTALS	95	455	7	472	6	927	9	858	660
CITY AND COUNTY TOTALS	96	740	5	740	4	1480	6	1136	660

* Not included in totals.

